PRODUCT INFORMATION

Target	IGF2
Synonyms	GRDF; SRS3; IGF-II; PP9974; C11orf43
Description	Recombinant human IGF2 Protein with N-terminal human Fc tag
Delivery	In Stock
Uniprot ID	P01344
Expression Host	HEK293
Tag	N-Human Fc tag
Molecular Characterization	hFc(Glu99-Ala330) IGF2(Ala25-Glu91)
Molecular Weight	The protein has a predicted molecular mass of 33.6 kDa after removal of the signal peptide. The apparent molecular mass of hFc-IGF2 is approximately 35-55 kDa due to glycosylation.
Purity	The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue staining.
Formulation & Reconstitution	Lyophilized from sterile PBS, pH 7.4. Normally 5 % – 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis for specific instructions of reconstitution.
Storage&Shipping	Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.
Background	This gene encodes a member of the insulin family of polypeptide growth factors, which are involved in development and growth. It is an imprinted gene, expressed only from the paternal allele, and epigenetic changes at this locus are associated with Wilms tumour, Beckwith-Wiedemann syndrome, rhabdomyosarcoma, and Silver-Russell syndrome. A read-through INS-IGF2 gene exists, whose 5' region overlaps the INS gene and the 3' region overlaps this gene. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Oct 2010]
Usage	Research use only
Conjugate	Unconjugated

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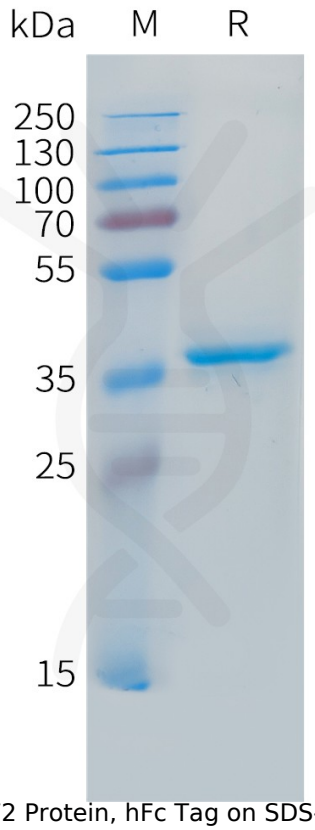


Figure 1. Human IGF2 Protein, hFc Tag on SDS-PAGE under reducing condition.

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